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(74) Agent: **SISSON, Thomas, E.**; Jackson Walker L.L.P.,
Suite 2100, 112 E. Pecan Street, San Antonio, TX 78205
(US).

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(71) Applicant (for all designated States except US): **COL-
LAPSING STABILIZER TOOL, LTD** [US/US]; P.O.
Box 769, Breckenridge, TX 76424 (US).

(71) Applicant and

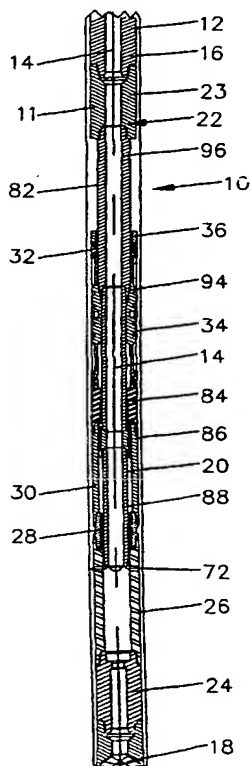
(72) Inventor: **BAIRD, Jeffery, D.** [US/US]; P.O. Box 769,
Breckenridge, TX 76424 (US).

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(54) Title: **DOWNHOLE DRILL STRING HAVING A COLLAPSIBLE SUBASSEMBLY**



(57) Abstract: A method and apparatus for allowing a downhole drill string to be stuck at one location and continue to rotate above the stuck section. The apparatus provides a method for collapsing the stuck subassembly by reducing its outside diameter. Simultaneous with the subassembly collapse, a jarring action is initiated from within the drill string to further loosen the stuck sections. At the same time drilling fluid inside the string is allowed to circulate outside the string through a circulation sub. The fluid is forced around the stuck subassembly further increasing the likelihood that the subassembly will be freed.

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